

B.Liet

RE-RUN

#11
TMJ
12/7/01

1636

RAW SEQUENCE LISTING DATE: 12/07/2001
 PATENT APPLICATION: US/09/516,310C TIME: 14:47:19

Input Set : A:\22000.0021U2.txt.txt
 Output Set: N:\CRF3\12072001\I516310C.raw

ENTERED

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3 <110> APPLICANT: Lin, Yao-Zhong
4           Hawiger, Jack J.
6 <120> TITLE OF INVENTION: A Novel Method for Importing
7           Biologically Active Molecules into Cells
10 <130> FILE REFERENCE: 22000.0021U2
12 <140> CURRENT APPLICATION NUMBER: 09/516,310C
13 <141> CURRENT FILING DATE: 2000-03-01
15 <150> PRIOR APPLICATION NUMBER: 09/170,754
16 <151> PRIOR FILING DATE: 1998-10-13
18 <150> PRIOR APPLICATION NUMBER: 09/052,784
19 <151> PRIOR FILING DATE: 1998-03-31
21 <150> PRIOR APPLICATION NUMBER: 08/258,852
22 <151> PRIOR FILING DATE: 1994-06-13
24 <160> NUMBER OF SEQ ID NOS: 11
26 <170> SOFTWARE: FastSEQ for Windows Version 4.0
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 26
30 <212> TYPE: PRT
31 <213> ORGANISM: Artificial Sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
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36 <221> NAME/KEY: SITE
37 <222> LOCATION: (1)...(16)
38 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
40 <221> NAME/KEY: SITE
41 <222> LOCATION: (17)...(19)
42 <223> OTHER INFORMATION: note = Spacer region
44 <221> NAME/KEY: SITE
45 <222> LOCATION: (20)...(26)
46 <223> OTHER INFORMATION: note = Epitope tag
48 <400> SEQUENCE: 1
49 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Ala Pro
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50           20          25
51 Ala Ala Ala Asp Gln Asn Gln Leu Met Pro
52           20          25
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55 <211> LENGTH: 7
56 <212> TYPE: PRT
57 <213> ORGANISM: Artificial Sequence
59 <220> FEATURE:
60 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
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62 <400> SEQUENCE: 2
63 Asn Tyr Lys Lys Pro Lys Leu
64   1           5
66 <210> SEQ ID NO: 3
67 <211> LENGTH: 26

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68 <212> TYPE: PRT

RAW SEQUENCE LISTING

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69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic
construct

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74 <221> NAME/KEY: SITE
75 <222> LOCATION: (1)...(16)
76 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
78 <221> NAME/KEY: SITE
79 <222> LOCATION: (17)...(19)
80 <223> OTHER INFORMATION: Spacer region
82 <221> NAME/KEY: SITE
83 <222> LOCATION: (20)...(26)
84 <223> OTHER INFORMATION: Nuclear localization sequence of aFGF
86 <400> SEQUENCE: 3
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89 Ala Ala Ala Asn Tyr Lys Lys Pro Lys Leu
90 20 25

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94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
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98 <222> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

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100 <221> NAME/KEY: SITE
101 <222> LOCATION: (1)...(16)
102 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF
104 <221> NAME/KEY: SITE
105 <222> LOCATION: (17)...(19)
106 <223> OTHER INFORMATION: note = Spacer region
108 <221> NAME/KEY: SITE
109 <222> LOCATION: (20)...(26)
110 <223> OTHER INFORMATION: note = Nuclear localization sequence of aFGF
112 <221> NAME/KEY: SITE
113 <222> LOCATION: (27)...(28)
114 <223> OTHER INFORMATION: note = Epitope tag
116 <400> SEQUENCE: 4
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118 1 5 10 15
119 Ala Ala Ala Asn Tyr Lys Lys Pro Lys Leu Met Pro
120 20 25

120 20
122 <210> SEQ ID NO: 5
123 <211> LENGTH: 16
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
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128 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
130 <221> NAME/KEY: SITE
131 <222> LOCATION: (1)...(16)
132 <223> OTHER INFORMATION: note = Signal peptide amino acid sequence of K-FGF

RAW SEQUENCE LISTING
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Input Set : A:\22000.0021U2.txt.txt
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134 <400> SEQUENCE: 5
135 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
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139 <211> LENGTH: 41
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143 <220> FEATURE:
144 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
146 <400> SEQUENCE: 6
147 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
148 1 5 10 15
149 Glu Ile Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr
150 20 25 30
151 Pro Gly Met Phe Ile Ala Leu Ser Lys
152 35 40
154 <210> SEQ ID NO: 7
155 <211> LENGTH: 25
156 <212> TYPE: PRT
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
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163 Glu Ile Leu Leu Pro Asn Asn Tyr Asn Ala Tyr Glu Ser Tyr Lys Tyr
164 1 5 10 15
165 Pro Gly Met Phe Ile Ala Leu Ser Lys
166 20 25
168 <210> SEQ ID NO: 8
169 <211> LENGTH: 26
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
176 <400> SEQUENCE: 8
177 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
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179 Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu
180 20 25
182 <210> SEQ ID NO: 9
183 <211> LENGTH: 26
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

construct
190 <400> SEQUENCE: 9
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192 1 5 10 15
193 Val Asn Arg Lys Arg Asn Lys Leu Met Pro
194 20 25

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001
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Input Set : A:\22000.0021U2.txt.txt
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197 <211> LENGTH: 10
198 <212> TYPE: PRT
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202 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

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209 <211> LENGTH: 10
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence; note = synthetic

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216 <400> SEQUENCE: 11
217 Ile Glu Glu Lys Arg Lys Arg Thr Tyr Glu
218 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001

TIME: 14:47:20

Input Set : A:\22000.0021U2.txt.txt

Output Set: N:\CRF3\12072001\I516310C.raw

STATISTICS SUMMARY
PATENT APPLICATION: US/09/516,310C

DATE: 12/07/2001
TIME: 14:47:20

Input Set : A:\22000.0021U2.txt.txt
Output Set: N:\CRF3\12072001\I516310C.raw

Application Serial Number: US/09/516,310C

Alpha or Numeric: Numeric

Application Class:

Application File Date: 03-01-2000

Art Unit: 1636

Software Application: FastSeq

Total Number of Sequences: 11

Total Nucleotides: 0

Total Amino Acids: 241

Number of Errors: 0

Number of Warnings: 0

Number of Corrections: 0

MESSAGE SUMMARY